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NOTICE OF ALLOWANCE AND FEE(S) DUE

23446 7590 12/30/2008 MCANDREWS HELD & MALLOY, LTD 500 WEST MADISON STREET

SUITE 3400

CHICAGO, IL 60661

EXAMINER
BOAKYE, ALEXANDER O
ART UNIT PAPER NUMBER
2416
DATE MAILED 12/30/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/644,204	08/20/2003	Martin Lund	14226US02	5736			
TITLE OF INVENTION: METHOD AND SYSTEM TO PROVIDE WORD-LEVEL FLOW CONTROL USING SPARE LINK BANDWIDTH							

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/30/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE IEEE and PUBLICATION IEEE (if required). Blocks 1 through 5 should be completed where accordance A BL further correspondence including the Issuer advances, orders and notification of intensary flows will be mysled to the current correspondence including the Issuer advances, orders and notification of intensary flows will be mysled to the current correspondence including the Issuer advances, orders and notification of intensary flows will be mysled to the current correspondence in the Issuer advances orders and notification of intensary flows and the Issuer advances or intensary flows and the Issue

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block I for any change of undress)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying pagers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
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CHICAGO, IL 6	00661								(Depositor's name)
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10/644,204 TITLE OF INVENTION	08/20/2003 : METHOD AND SYST	TEM TO PROVIDE WOI	Martin Lund RD-LEVEL FLOW Co	ONT	ROL USING SPA	RE LIN	14226US02 IK BANDWIDTH		5736
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(8) DUE		DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810	03/30/2009	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	3					
BOAKYE, AL	EXANDER O	2416	370-230000		JI .				
"Fee Address" ind PTO/SB/47; Rev 03- Number is required. 3. ASSIGNEE NAME A	ondence address (or Cha B/122) attached. ication (or "Fee Address 22 or more recent) attach ND RESIDENCE DAT. less an assignee is ident h in 37 CFR 3.11. Comp	ange of Correspondence		single or a attor II be or typ he pa	rely, e firm (having as a igent) and the name meys or agents. If printed. ec) atent. If an assignassignment.	memb es of u no nam ee is id	er a 2	locume	ent has been filed for
Please check the appropr	iate assignee category or	categories (will not be p	rinted on the patent):	۵	Individual 🗖 Co	rporati	on or other private gr	oup en	tity Government
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Authorized Signature					Date				
Typed or printed name			Registration No.						
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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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10/644,204	08/20/2003	Martin Lund	14226US02	5736	
23446 75	90 12/30/2008		EXAM	INER	
MCANDREWS :	HELD & MALLOY.	BOAKYE, ALEXANDER O			
500 WEST MADE	SON STREET	ART UNIT	PAPER NUMBER		
SUITE 3400 CHICAGO, IL 606	561		2416 DATE MAIL ED: 12/30/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 901 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 901 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/644,204 LUND, MARTIN Notice of Allowability Examiner Art Unit ALEXANDER BOAKYE 2416 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 09/03/2008. The allowed claim(s) is/are 1-7,12-13,16,32-39,41-45,47;renumbered as 1-24 respectively. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) \square All b) ☐ Some* c) ☐ None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application Notice of Draftperson's Patent Drawing Review (PTO-948) Interview Summary (PTO-413), Paper No./Mail Date Information Disclosure Statements (PTO/SB/08). T Examiner's Amendment/Comment Paper No./Mail Date 08/23/07;05/18/06

U.S. Patent and Trademark Office

of Biological Material

☐ Examiner's Comment Regarding Requirement for Deposit

9. Other _____.
/Chi H Pham/

12/18/08

8. X Examiner's Statement of Reasons for Allowance

Supervisory Patent Examiner, Art Unit 2416

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance: Claims 1-7, 12-13, 16, 32-39, 41-45 are considered allowable since when reading the claims in light of the, specification none of the references of record alone or in combination disclose or suggest the combinations of limitations specified in the independent claims. As to claims 1-7, 12, 13, 16, the prior art of record does not teach suspending the transmission of the frame of data without waiting for the end of the frame when the first receives a stop transmission request embedded in a secondary communication channel between the second system and the first system. As to claims 32-34, the prior art of record does not teach a controller operably coupled to a full-duplex communication link; wherein the controller includes an encoder that encodes a secondary channel, and a decoder that decodes a received communication channel, wherein the secondary communications channel includes word level coding, and the system stops transmission of data without waiting for the end of a packet in response to word level commands received on the secondary communication channel.

As to claims 35, 36, 37, 41, 42, 43, the prior art of record does not teach suspending the transmission of the frame of data without waiting for the end of the frame when the first system receives a stop transmission request embedded in a secondary communication channel between the second system and the first system; and resuming transmission of the frame with the next word following the receipt of a

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start transmission code embedded in the secondary communication channel, wherein the secondary communication channel is formed from groups of enhanced coded data words occurring at regular intervals in a data frame.

As to claims 44, 45 the prior art of record does not embedding flow control data in a secondary communication channel of the communications link for use by a primary communication channel of the communications link; and resuming transmission of the frame with the next word following the receipt of a start transmission code embedded in the secondary communication channel. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Boakye whose telephone number is (571) 272-3183. The examiner can normally be reached on M-F from 8:30am to 6:00pm. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham, can be reached on (571) 272-3179. The Fax number is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or PUBLIC PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Any Application/Control Number: 10/644,204 Page 4

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inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Electronic Business Center (EBC) numbers at 866-217-9197 and 703-305-3028.

/ALEXANDER BOAKYE/

Examiner, Art Unit 2416

12/16/2008

/Chi H Pham/

Supervisory Patent Examiner, Art Unit 2416

12/17/08